

CHAPTER 1

INTRODUCTION

1.1 Background

This chapter explained about the project objectives, project background, project scope, and problem statement. This chapter also covers the project flow of this project. This book and Al-Quran rack is design to give it more use full by make it easy to attach for UMP students and staff that use UMP mosque. The design is generate by my own idea that use the concept that I had from internet, supervisor and my friends. The specification of this rack is can moving and can keep out the Al-Quran and book from dust. Besides of that features, the book rack can give more storage space for book. This design also can reduce the space of UMP mosque area. It also can carry any flyers anywhere around the UMP mosque prayer hall area.

1.2 Problem Statement

A few problems occur when designing the concept design, the problem found when want to increasing the capacity of the storage space for books but it must easy to attach anywhere. For the material, the chipboard is not suitable due to it shape. From this problem, the solution the solution is to change the material from chipboard to plain and thin zinc plate.

1.3 Objective

The project objectives are to design and to fabricate a Al-Quran and book rack for UMP MOSQUE.

1.4 Scope

- i. **Cost:** minimized the fabricating cost.
- ii. **Structure Strength:** the maximum load that the structure can support is below 65 kg.
- iii. **Uses:** this rack are friendly uses and easy to attach.
- iv. **Special future:** the special function that this rack has is it can reduce the dust to come into the rack or attach the book.